

ABSTRACT OF THE DISCLOSURE

Cultures of cells immunoreactive for glial fibrillary acidic protein (GFAP), as well as for the intermediate filament marker nestin were grown in a medium including epidermal growth factor (EGF) and serum. The cultured cells had the morphology of astroglial cells. The cells can be proliferated in adherent or suspension cultures. Depending on the culture conditions, the cells can be induced to differentiate to neurons or glial cells. The cultures can be expanded over a large number of passages during several months, and survive, express an astroglial phenotype and integrate well after transplantation into both neonatal and adult rat forebrain.

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